

Ch 8.2-8.7 Test

8.2 Parallelograms

- opp sides \parallel
- diag. bis. each other
- opp. \angle s \cong
- cons. \angle s suppl.
- opp sides \cong

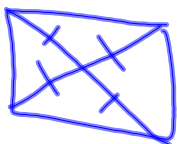
8.3 Is it a parallelogram?

- converse of 8.2 facts

- midpt
- slope
- distance

8.4 Rectangles

- all \square facts
- 4 rt. \angle s
- diagonals \cong *



8.5 Rhombuses and Squares

- all \square facts
- 4 \cong sides
- diagonals are \perp
- diagonals bisect angles



- pyth. thm
- SOHCAHTOA

30	60	90
x	x $\sqrt{3}$	2x
45	45	90
x	x	x $\sqrt{2}$

Squares



- Rect.

- Rhombus

Given the coordinates of a parallelogram,
is it a rectangle, rhombus, or square?
List all that apply.

Check diagonals

Slope $\rightarrow \perp$ Rhombusdistance $\rightarrow \cong$ RectangleBoth \rightarrow square

8.6 Trapezoids

define exactly one pair // sides

isosceles legs are \cong median $= \frac{1}{2}(\text{sum of bases})$

8.7 Coordinates

- complete a diagram
- proof

~~~~~  
Always, Sometimes, Never